



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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December 23, 1992

Mr. Duane Crutchfield
Plant Manager
P.O. Box 51
Nephi, Utah 84648

Dear Mr. Crutchfield:

Re: Review of County Canyon Large Mine Notice, Ash Grove Cement Company,
M/023/024, Juab County, Utah

The Division has completed its review of your latest Large Mining Notice of Intention received November 20, 1992. The following comments will need to be addressed before we can proceed to issue our tentative approval of the permit application. Our review comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion.

R647-4-105 Maps, Drawings & Photographs

✓ 105.3 - Maps, drawings or cross-sections

The operator needs to provide a diagram or diagrams depicting representative cross sections of the mine quarry, after reclamation.

R647-4-107 Operation Practices

107.1.14 - Posting warning signs

✓ Warning signs should be posted along the road and at the quarry warning the public of active mining operations in the area.

107.2 and 107.3 - Drainages to minimize damage and Erosion Control

✓ What type of, if any, runoff/erosion control measures will be implemented on this site? It is necessary to insure that disturbed area drainage does not impact natural drainage ways, or does not commingle with natural drainage unless first treated with appropriate sediment control devices (i.e. straw bales, catchment basins, vegetative filters, sediment ponds, etc.) especially in areas where runoff will directly impact an intermittent or perennial stream.

107.6 - Concurrent Reclamation on areas when no longer needed

✓ Will reclamation be left until the end of the mining activity, or will the operator perform reclamation on mined out areas as mining progresses? If you plan to perform contemporaneous reclamation please describe how these areas of the site will be reclaimed.

R647-4-109 Impact Assessment

109.1 - Surface & groundwater systems

✓ The operator should describe any anticipated surface or groundwater impacts that could arise from this mining operation? Please provide justification and supporting documentation to substantiate your projections in this regard. How will these impacts be mitigated?

109.2 - Wildlife habitat and endangered species

✓ What will be the impacts on wildlife habitat associated with this operation? Are there big game species found in the area? If so, what are they?

✓ Are there any threatened and endangered species in this area? If so, what impacts will the proposed mining activities have on them?

109.5 - Actions proposed to mitigate any of the above impacts

✓ Please describe how the projected impacts, as determined under rule R647-4-109, will be mitigated.

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R647-4-110 Reclamation Plan

110.2 - Roads, highwalls, slopes, impoundments, drainages pits, trenches, ponds, drill holes, etc. will be reclaimed

✓ Please explain in detail which roads will be reclaimed, and how Ash Grove proposes to reclaim them. All roads that will serve no further post-mine utility must be reclaimed. The Division assumes that reclamation will include all of the proposed road and portions of the existing road.

110.5 - Revegetation planting program and topsoil redistribution

✓ Please describe your revegetation plan and seed bed preparation in more detail. For example will ripping, scarifying, mulching, fertilizing and seeding of all the disturbed areas be performed, and if so, what methods will the operator use to accomplish this?

✓ Please provide a species list of adaptable plant species, which will be used at the site for reclamation. Will the seed be broadcast, hydroseeded or drill seeded? *herbs*

R647-4-111 Reclamation Practices

111.2 - Reclamation of natural stream channels

✓ If any natural stream channels (ephemeral or intermittent) are to be affected by mining, please explain how this channel will be reclaimed and stabilized.

111.3 - Erosion control - sediment

✓ Please describe the methods to be used to keep sediment out of stream channels and to keep soil materials from eroding off of the reclaimed areas.

R647-4-112 Variance

✓ The operator has requested no variances. The Division will assume that all affected areas of the site will be reclaimed to the performance standards prescribed by rule.

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R647-4-113 Surety

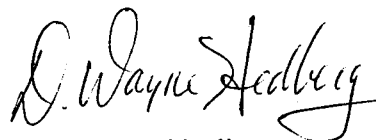
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The Division has prepared a preliminary ***draft*** surety estimate (copy attached) based upon the standard reclamation practices proposed by the operator for the affected mine areas. We will require additional information from the operator under the backfilling and regrading section. Please provide us with the anticipated amount/volume of material (overburden/wasterock) that will be available for backfill and/or regrading upon final reclamation. This information will assist us in finalizing this draft surety estimate. The operator may utilize our reclamation estimate as a basis for determining the required surety, or generate another independent estimate for the Division's evaluation.

General Comments

The County Canyon Mine is currently permitted with the Division under a Small Operator's Notice of Intent. Ash Grove Cement is expanding the small mining operation into a Large Mining operation, and has submitted a Large Mining Notice which is now being processed by this Division.

The Division will suspend further review of the County Canyon NOI until your response to this letter is received. If you have any questions in this regard please contact me or Holland Shepherd of the Minerals Staff. Thank you for your cooperation in completing this permitting action.

Sincerely,



D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

jb
Attachment
cc: Rody Cox, Price River RA
Lowell Braxton, DOGM
M023024.CCM

